

Reading Guide

for DOE Order 5660.1B, *Management of Nuclear Materials*

Objectives

After studying this order, you should be able to:

- Identify its purpose and application;
- Define key terms; and
- Distinguish between personnel responsibilities.

These objectives will be tested by your ability to pass a quiz with a score of 26 out of 34 or better.

In addition, you should be able to discuss with your supervisor the role of nuclear safety personnel in regard to the requirements of this order. This objective will be tested and approved by your supervisor.

Time

You will need roughly four hours to read the order, complete the reading guide, and take the quiz.

Materials

This reading guide, a copy of the order, a highlighter, and pen.

Certification

Contact your training coordinator for a copy of the quiz pertaining to this order. Upon passing the quiz, complete the attached certificate for your file.

Developed by the Oakland Operations Office, Training and Development Branch, in support of Technical Qualification Standard: Nuclear Safety Systems, Competency 2.10.

For additional copies, contact Margaret Smeaton at 510-637-1840.

Reading Guide

As you read DOE Order 5660.1B, use the guide below to focus your thinking and to prepare for your discussion of this order with your supervisor. Taking the time to write your thoughts down will help you retain the information longer and make it more useful to you on the job. Be sure to write down questions as you read. Find a source—perhaps your supervisor—to answer them. You may also wish to highlight sections most pertinent to your job so that you can use the order as a job aid for future reference.

Overview

In your own words, state the:

a. Objective of the order

b. Scope of the order

Key Terms

In your own words, define:

Allotment

Inactive materials

Irradiated nuclear material

Withdrawal

Return

Transfer in

Transfer out

Materials management plan

User projects

What are the differences between “E,” “I,” and “M” project materials?

Make a list of any other key terms you wish to remember and their meanings.

Responsibilities and Authorities

Distinguish between the key responsibilities of the following personnel:

Director of the Office of Nuclear Weapons Management, Office of Defense Programs

Director of the Office of Facilities, Office of Defense Programs

Assistant Secretary for Environmental Restoration and Waste Management

Director of Isotope Production and Distribution Program, Office of Nuclear Energy

Director of the Office of Security Affairs, Office of Intelligence and National Security

Directors of Headquarters Program Organizations

Heads of Field Organizations

Make a list of your personal responsibilities as detailed in this order.

Program Requirements

Summarize the key requirements of the Nuclear Materials Program as specified in the following chapters of the Order.

Chapter I: Forecasting Nuclear Material Requirements

Chapter II: Materials Management Plans

Chapter III: Analytical Studies

Chapter IV: Nuclear Materials Allotment

Chapter V: Nuclear Materials Inventory Management

Chapter VI: Inactive Materials

Chapter VII: Materials Management Reviews and Appraisals

Chapter VIII: Miscellaneous Activities

Points of Interest

Note items you wish to discuss with your supervisor or that you want to remember for future reference.

Certificate of Completion

Please complete the certificate below. Provide a copy to your personnel office to include in your file and keep the original for your own reference.

I hereby confirm that I took the quiz for DOE Order 5660.1B, Accident Investigations and

() passed

() did not pass

with a score of 26 out of 34 or higher.

Signed _____ Date _____

Accepted by Supervisor _____ Date _____

I have discussed DOE Order 5660.1B, Accident Investigations, with _____ and am confident that he/she has a familiarity level knowledge of the order.

Supervisor's Signature _____ Date _____